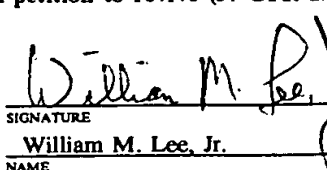


FORM PTO-1390 (REV. 5-93)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 196-1142
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			09/000008 <small>U.S. APPLICATION NO. (616) (37) (13)</small>
INTERNATIONAL APPLICATION NO. PCT/DK96/00302	INTERNATIONAL FILING DATE July 4, 1996	PRIORITY DATE CLAIMED July 15, 1995	
TITLE OF INVENTION Axial Piston Micropump			
APPLICANT(S) FOR DO/EO/US Ole Ploug, Jakob Bøgh Poulsen and Christian Peter Enggaard			
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f) at any time rather than delay examination until the expiration of the applicable time limit set in 37 U.S.C. 371(b) and PCT Articles 22 and 39(1). <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). <input checked="" type="checkbox"/> has been transmitted by the International Bureau. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). <input type="checkbox"/> have been transmitted by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input checked="" type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <p>Items 11. to 16. below concern other document(s) or information included:</p> <ol style="list-style-type: none"> <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <input type="checkbox"/> An assignment document for recording A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. <input type="checkbox"/> A substitute specification. <input type="checkbox"/> A change of power of attorney and/or address letter. <input checked="" type="checkbox"/> Other items or information: Submission of Formal Drawings 			

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.50)		INTERNATIONAL APPLICATION NO. PCT/DK96/00302		ATTORNEY'S DOCKET NUMBER 196-1142	
17. <input checked="" type="checkbox"/> The following fees are submitted: Basic National Fee 37 CFR 1.492(a)(1)-(5): Search Report has been prepared by the EPO or JPO\$930.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) . \$720.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) \$790.00 Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$1070.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)\$98.00				CALCULATIONS	PTO USE ONLY
ENTER APPROPRIATE BASIC FEE AMOUNT =				\$1070.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than _ 20 _ 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				—	
Claims	Number Filed	Number Extra	Rate		
Total Claims	19 - 20 =	0	X \$22.00	0	
Independent Claims	1 - 3 =	0	X \$82.00	0	
Multiple dependent claim(s) (if applicable)			+ \$270.00	0	
TOTAL OF ABOVE CALCULATIONS =				1070.00	
Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).				—	
SUBTOTAL =				1070.00	
Processing fee of \$130.00 for furnishing the English translation later than _ 20 _ 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				—	
TOTAL NATIONAL FEE =				1070.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				—	
TOTAL FEES ENCLOSED =				1070.00	
				Amount to be refunded:	
				Charged	
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1070.00</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. <u>12-0913</u> in the amount of \$ <u> </u> to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>12-0913</u> . A duplicate copy of this sheet is enclosed.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO: William M. Lee, Jr. Lee, Mann, Smith, McWilliams, Sweeney & Ohlson P.O. Box 2786 Chicago, Illinois 60690-2786 (312) 368-1300					
				<div style="text-align: right;">  SIGNATURE William M. Lee, Jr. NAME 26,935 REGISTRATION NUMBER </div>	

01/15/98
16572 U.S. PTO

196-1142

80 Rec'd PCT/PTO 15 JAN 1998

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE THE APPLICATION OF)
)
Ole Ploug, Jakob Bøgh Poulsen and)
Christian Peter Enggaard)
)
SERIAL NO.: To be Assigned)
)
FILED: Herewith)
)
FOR: Axial Piston Micropump)

FILING OF PCT - U.S. NATIONAL FILING PHASE

"Express Mail" mailing label number

EM 172 802 066 US

Date of deposit: January 15, 1998

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Mattie M. Williams

(Typed or printed name of person mailing paper or fee)

Mattie M. Williams

(Signature of person mailing paper or fee)

196-1142

32 Rec'd PCT/PTO 15 JAN '98

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE THE APPLICATION OF)
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SUBMISSION OF FORMAL DRAWINGS

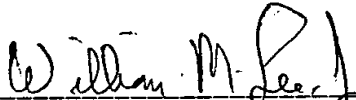
Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Dear Sir:

Submitted herewith are four sheet(s) of formal drawings for the above-identified application.

January 15, 1998

Respectfully submitted,



William M. Lee, Jr.
Registration No. 26,935

Lee, Mann, Smith, McWilliams,
Sweeney & Ohlson
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(312) 368-1300
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